HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Lawrence County, South Dakota

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
AaB:							
ALICE FINE SANDY LOAM, 0 TO 6 PERCENT SLOPES	ALICE	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
Ba:							
BARNUM SILT LOAM	BARNUM	No	---	---	---	---	---
	HAVERSON	No	---	---	---	---	---
	LOHMILLER	No	---	---	---	---	---
	HERDCAMP	Yes	flood plain	2B3,4	YES	YES	NO
Bb:							
BARNUM SILT LOAM, CHANNELED	BARNUM	No	---	---	---	---	---
	ST. ONGE	No	---	---	---	---	---
	LOHMILLER	No	---	---	---	---	---
	HERDCAMP	Yes	flood plain	2B3,4	YES	YES	NO
BcA:							
BONEEK SILT LOAM, 0 TO 2 PERCENT SLOPES	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
BcB:							
BONEEK SILT LOAM, 2 TO 6 PERCENT SLOPES	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
BcC:							
BONEEK SILT LOAM, 6 TO 9 PERCENT SLOPES	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	LAKOA	No	---	---	---	---	---
BdE:							
BUSKA-ROCK OUTCROP ASSOCIATION, HILLY	BUSKA	No	---	---	---	---	---
	ROCK OUTCROP, HARD	No	---	---	---	---	---
	HISEGA	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
BeE:							
BUTCHE STONY LOAM, 6 TO 50 PERCENT SLOPES	BUTCHE	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	LAKOA	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	SATANTA	No	---	---	---	---	---
BhE:							
BUTCHE-ROCK OUTCROP COMPLEX, 25 TO 50 PERCENT SLOPES	BUTCHE	No	---	---	---	---	---
	ROCK OUTCROP, SANDY	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	LAKOA	No	---	---	---	---	---
	SATANTA	No	---	---	---	---	---

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
BkD:							
BUTCHE-SATANTA LOAMS, 6 TO 25 PERCENT SLOPES	BUTCHE	No	---	---	---	---	---
	SATANTA	No	---	---	---	---	---
	LAKOA	No	---	---	---	---	---
CaD:							
CANYON-BRIDGET COMPLEX, 6 TO 25 PERCENT SLOPES	CANYON	No	---	---	---	---	---
	BRIDGET	No	---	---	---	---	---
	MIDWAY	No	---	---	---	---	---
	SATANTA	No	---	---	---	---	---
CaE:							
CANYON-BRIDGET COMPLEX, 9 TO 50 PERCENT SLOPES	CANYON	No	---	---	---	---	---
	BRIDGET	No	---	---	---	---	---
	MIDWAY	No	---	---	---	---	---
	SATANTA	No	---	---	---	---	---
CbE:							
CITADEL ASSOCIATION, HILLY	CITADEL	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
	VANOCKER	No	---	---	---	---	---
Cc:							
DUMPS, MINE	ORTHENTS, TAILINGS	No	---	---	---	---	---
EaD:							
ENNING-MINNEQUA SILTY CLAY LOAMS, 6 TO 25 PERCENT SLOPES	ENNING	No	---	---	---	---	---
	MINNEQUA	No	---	---	---	---	---
	MIDWAY	No	---	---	---	---	---
	SAVO	No	---	---	---	---	---
GaD:							
GLENBERG VARIANT FINE SANDY LOAM	GLENBERG VARIANT	No	---	---	---	---	---
	HAVERSON	No	---	---	---	---	---
	LOHMILLER	No	---	---	---	---	---
	HERDCAMP	Yes	flood plain	2B3,4	YES	YES	NO
GbE:							
GRIZZLY-VIRKULA ASSOCIATION, STEEP	GRIZZLY	No	---	---	---	---	---
	VIRKULA	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
	ROCK OUTCROP, HARD	No	---	---	---	---	---
GcD:							
GRUMMIT-ROCK OUTCROP COMPLEX, 3 TO 20 PERCENT SLOPES	GRUMMIT	No	---	---	---	---	---
	ROCK OUTCROP, ACID	No	---	---	---	---	---
	GRANER	No	---	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
GdE:							
GRUMMIT-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	GRUMMIT	No	---	---	---	---	---
	ROCK OUTCROP, ACID	No	---	---	---	---	---
	GRANER	No	---	---	---	---	---
GeD:							
GYPNEVEE-REKOP LOAMS, 6 TO 25 PERCENT SLOPES	GYPNEVEE	No	---	---	---	---	---
	REKOP	No	---	---	---	---	---
	ROCK OUTCROP, SOFT	No	---	---	---	---	---
Ha:							
HIGGINS SILT LOAM	HIGGINS	Yes	flood plain	2B3	YES	NO	NO
	BARNUM	No	---	---	---	---	---
	LOHMILLER	No	---	---	---	---	---
HbF:							
HISEGA-ROCK OUTCROP ASSOCIATION, STEEP	HISEGA	No	---	---	---	---	---
	ROCK OUTCROP, HARD	No	---	---	---	---	---
	BUSKA	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
HcA:							
HISLE SILT LOAM, 0 TO 3 PERCENT SLOPES	HISLE	No	---	---	---	---	---
	GRUMMIT	No	---	---	---	---	---
	KYLE	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	SLICKSPOTS, DRY	No	---	---	---	---	---
	SNOMO	No	---	---	---	---	---
HdA:							
HISLE-SLICKSPOTS COMPLEX, 0 TO 3 PERCENT SLOPES	HISLE	No	---	---	---	---	---
	SLICKSPOTS, DRY	No	---	---	---	---	---
	GRUMMIT	No	---	---	---	---	---
	KYLE	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	SNOMO	No	---	---	---	---	---
	SAGE	Yes	flood plain	2B3	YES	NO	NO
KaA:							
KYLE CLAY, 0 TO 2 PERCENT SLOPES	KYLE	No	---	---	---	---	---
	HISLE	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	MCKENZIE	Yes	pothole	2B3,3	YES	NO	YES

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HYDRIC SOILS LIST
Lawrence County, South Dakota

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
KaB:							
KYLE CLAY, 2 TO 6 PERCENT SLOPES	KYLE	No	---	---	---	---	---
	HISLE	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	MCKENZIE	Yes	pothole	2B3,3	YES	NO	YES
LaE:							
LAKOA SILT LOAM, 25 TO 50 PERCENT SLOPES	LAKOA	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
MaC:							
MAITLAND LOAM, 2 TO 9 PERCENT SLOPES	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
MaD:							
MAITLAND LOAM, 9 TO 50 PERCENT SLOPES	MAITLAND	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
MbE:							
MARSHBROOK-MAITLAND ASSOCIATION, SLOPING	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
	MAITLAND	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
McD:							
MIDWAY-RAZOR SILTY CLAY LOAMS, 6 TO 25 PERCENT SLOPES	MIDWAY	No	---	---	---	---	---
	RAZOR	No	---	---	---	---	---
	BRIDGET	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	SAVO	No	---	---	---	---	---
NaB:							
NEVEE SILT LOAM, 2 TO 6 PERCENT SLOPES	NEVEE	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
NaC:							
NEVEE SILT LOAM, 6 TO 9 PERCENT SLOPES	NEVEE	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
NbD:							
NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES	NEVEE	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
	ROCK OUTCROP, SOFT	No	---	---	---	---	---
	GYPNEVEE	No	---	---	---	---	---
	NIHILL	No	---	---	---	---	---

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
NcD:							
NIHILL GRAVELLY LOAM, 6 TO 25 PERCENT SLOPES	NIHILL	No	---	---	---	---	---
	ALICE	No	plain, terrace	---	---	---	---
	SATANTA	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
NdA:							
NUNN CLAY LOAM, 0 TO 2 PERCENT SLOPES	NUNN	No	---	---	---	---	---
	KYLE	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
NdB:							
NUNN CLAY LOAM, 2 TO 6 PERCENT SLOPES	NUNN	No	---	---	---	---	---
	KYLE	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
NdC:							
NUNN CLAY LOAM, 6 TO 9 PERCENT SLOPES	NUNN	No	---	---	---	---	---
	PIERRE	No	---	---	---	---	---
	SAVO	No	---	---	---	---	---
PaE:							
PACTOLA-ROCK OUTCROP ASSOCIATION, HILLY	PACTOLA	No	---	---	---	---	---
	ROCK OUTCROP, HARD	No	---	---	---	---	---
	BUSKA	No	---	---	---	---	---
	GRIZZLY	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
PbE:							
PAUNSAUGUNT-ROCK OUTCROP COMPLEX, 6 TO 50 PERCENT SLOPES	PAUNSAUGUNT	No	---	---	---	---	---
	ROCK OUTCROP, SANDY	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
PcB:							
PIERRE CLAY, 2 TO 6 PERCENT SLOPES	PIERRE	No	---	---	---	---	---
	GRUMMIT	No	---	---	---	---	---
	HISLE	No	---	---	---	---	---
	KYLE	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	STETTER VARIANT	No	---	---	---	---	---
PcD:							
PIERRE CLAY, 6 TO 25 PERCENT SLOPES	PIERRE	No	---	---	---	---	---
	GRUMMIT	No	---	---	---	---	---
	HISLE	No	---	---	---	---	---
	SNOMO	No	---	---	---	---	---
	STETTER	No	---	---	---	---	---

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HYDRIC SOILS LIST
Lawrence County, South Dakota

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Pe:							
PITS, QUARRY	ROCK OUTCROP, HARD	No	---	---	---	---	---
RaE:							
REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	REKOP	No	---	---	---	---	---
	GYPNEVEE	No	---	---	---	---	---
	ROCK OUTCROP, SANDY	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
RbF:							
ROCK OUTCROP-PACTOLA ASSOCIATION, STEEP	ROCK OUTCROP, HARD	No	---	---	---	---	---
	PACTOLA	No	---	---	---	---	---
	GRIZZLY	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
RcF:							
ROCK OUTCROP-VANOCKER ASSOCIATION, VERY STEEP	ROCK OUTCROP, SANDY	No	---	---	---	---	---
	VANOCKER	No	---	---	---	---	---
	CITADEL	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
	WINETTI	No	---	---	---	---	---
SaA:							
SATANTA LOAM, 0 TO 2 PERCENT SLOPES	SATANTA	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
SaB:							
SATANTA LOAM, 2 TO 6 PERCENT SLOPES	SATANTA	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
SaC:							
SATANTA LOAM, 6 TO 9 PERCENT SLOPES	SATANTA	No	---	---	---	---	---
	BONEEK	No	---	---	---	---	---
	BUTCHE	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
SbA:							
SAVO SILT LOAM, 0 TO 2 PERCENT SLOPES	SAVO	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
SbB:							
SAVO SILT LOAM, 2 TO 6 PERCENT SLOPES	SAVO	No	---	---	---	---	---
	NUNN	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
ScD:							
SNOMO-ROCK OUTCROP COMPLEX, 6 TO 25 PERCENT SLOPES	SNOMO	No	---	---	---	---	---
	ROCK OUTCROP, ACID	No	---	---	---	---	---
	GRUMMIT	No	---	---	---	---	---
Sd:							
STETTER VARIANT SILTY CLAY LOAM	STETTER VARIANT	No	---	---	---	---	---
SeE:							
STOVHO ASSOCIATION, ROLLING	STOVHO	No	---	---	---	---	---
	TREBOR	No	---	---	---	---	---
	ROCK OUTCROP, LIMESTONE	No	mountain slope	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
SgF:							
STOVHO-TREBOR ASSOCIATION, STEEP	STOVHO	No	---	---	---	---	---
	TREBOR	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
	VANOCKER	No	---	---	---	---	---
	ROCK OUTCROP, LIMESTONE	No	mountain slope	---	---	---	---
ShA:							
ST. ONGE LOAM, 0 TO 2 PERCENT SLOPES	ST. ONGE	No	---	---	---	---	---
	BARNUM	No	---	---	---	---	---
	SWINT	No	---	---	---	---	---
	HERDCAMP	Yes	flood plain	4,2B3	YES	YES	NO
Sk:							
SWINT SILT LOAM	SWINT	No	---	---	---	---	---
	BARNUM	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
	HERDCAMP	Yes	flood plain	2B3,4	YES	YES	NO
TaA:							
TILFORD SILT LOAM, 0 TO 2 PERCENT SLOPES	TILFORD	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
TaB:							
TILFORD SILT LOAM, 2 TO 6 PERCENT SLOPES	TILFORD	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
TaC:							
TILFORD SILT LOAM, 6 TO 9 PERCENT SLOPES	TILFORD	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	VALE	No	---	---	---	---	---
TbE:							
TREBOR-ROCK OUTCROP ASSOCIATION, HILLY	TREBOR	No	---	---	---	---	---
	ROCK OUTCROP, SANDY	No	---	---	---	---	---
	STOVHO	No	---	---	---	---	---
VaA:							
VALE SILT LOAM, 0 TO 2 PERCENT SLOPES	VALE	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
VaB:							
VALE SILT LOAM, 2 TO 6 PERCENT SLOPES	VALE	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
VaC:							
VALE SILT LOAM, 6 TO 9 PERCENT SLOPES	VALE	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
	SPEARFISH	No	---	---	---	---	---
	TILFORD	No	---	---	---	---	---
VbF:							
VANOCKER-CITADEL ASSOCIATION, STEEP	VANOCKER	No	---	---	---	---	---
	CITADEL	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
VcE:							
VIRKULA ASSOCIATION, HILLY	VIRKULA	No	---	---	---	---	---
	CITADEL	No	---	---	---	---	---
	GRIZZLY	No	---	---	---	---	---
	MAITLAND	No	---	---	---	---	---
	MARSHBROOK	Yes	flood plain	2B3	YES	NO	NO
	VANOCKER	No	---	---	---	---	---
	ROCK OUTCROP, HARD	No	---	---	---	---	---
WaA:							
WEBER LOAM, 0 TO 2 PERCENT SLOPES	WEBER	No	---	---	---	---	---
	SATANTA	No	---	---	---	---	---
	SWINT	No	---	---	---	---	---
Wb:							
WINETTI COBBLY LOAM	WINETTI	No	---	---	---	---	---
	BARNUM	No	---	---	---	---	---
	NEVEE	No	---	---	---	---	---
ww:							
WATER < 40 ACRES	WATER (LESS THAN 40 ACRES)	Unranked	---	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Lawrence County, South Dakota

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States"(USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote todetermine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use an management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.
Areas mapped as water or any map unit that contains one of the following conventional symbols is considered a hydric soil map unit: marshes or swamps; wet spots; depressions; streams, lakes and ponds.

1. All Histosols except Folists, or

2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:

   a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or

   b. poorly drained or very poorly drained and have either:

      (1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in),

          or for other soils

      (2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or

      (3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or

3. Soils that are frequently ponded for long duration or very long duration during the growing season, or

4. Soils that are frequently flooded for long duration or very long duration during the growing season.